

METHOD AND APPARATUS FOR A MULTI-USER VIDEO NAVIGATION
SYSTEM

5 ABSTRACT OF THE DISCLOSURE

10 A method for video navigation. Specifically, one
embodiment of the present invention discloses a method of
video presentation whereby multiple users can each view and
navigate cropped windows of a live-captured or stored video
sequence in compressed form. A video sequence is captured
from a stationary camera. An uncompressed version and
compressed version following a compression format are
captured. In response to user requests, cropped windows can
be navigated from one location to another within the
15 dimensions of the video sequence. For each cropped window,
data from the compressed and compressed versions are
combined to generate a portion of the video sequence that is
in the same compression format. Whenever possible, data
from the compressed version is used, and data from the
20 uncompressed version is substituted when necessary to
generate each portion of video sequence. Transmission of
each portion of video sequence to the various requesting
client devices occurs contemporaneously.

25